

# *The Heterodyne*

*Newsletter of the West Valley Amateur Radio Association*

## **January Meeting**

**The Origins of Silicon Valley:  
Roots in Ham Radio  
By Paul Wesling, KM6LH**

**Wednesday January 13  
Meeting Starts at 7pm**

Meeting Location:  
American Red Cross,  
Silicon Valley Chapter  
2731 N. First Street at Plumeria Dr  
(southwest corner) in San Jose

Map at [www.wvara.org/meetings.html](http://www.wvara.org/meetings.html)

WVARA Repeaters (W6PIY)		
Band	Frequency	PL
6 Meters	52.580- MHz	151.4 Hz
2 Meters	147.39+ MHz	151.4 Hz
1.25 Meters	223.96- MHz	156.7 Hz
0.70 Meter	441.35+ MHz	88.5 Hz
0.23 Meter	1286.2- MHz	100 Hz

## **Club Net**

WVARA's club net is on the W6PIY repeaters each Tuesday at 8:30 pm. All repeaters are linked together during the net. The net script can be found at [www.wvara.org/net.html](http://www.wvara.org/net.html).

**Visitors Are Welcome!**

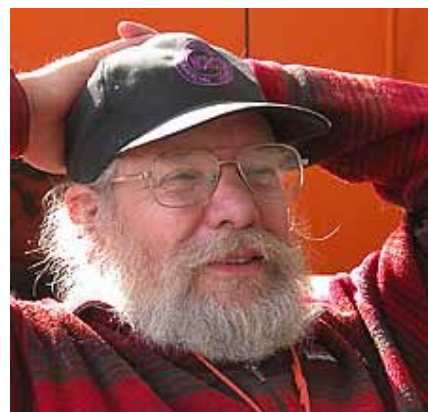
## **President's Letter**

### ***The State of the Club***

Financially we are a bit tight. The budget Peri, KI6SLX will propose at the January meeting is slightly in deficit in both the general operating fund and the repeater fund. We have enough reserves to cover us this year, and last year our expenses were below budget so we should squeak by. **It would help if everyone who attends club functions would pay their dues.** Dues are payable now for 2016 year. They can be paid in person to Peri or through PayPal. Use the links on the [<http://www.wvara.org/membership.html>](http://www.wvara.org/membership.html) web page.

We are joining with the Palo Alto Amateur Radio Association and the Foothill Amateur Radio Association in sponsoring a banquet on January 22. Please join us. Sign up at [<https://www.fars.k6ya.org/cgi-bin/bq-signup>](https://www.fars.k6ya.org/cgi-bin/bq-signup). And bring your WVARA name badge.

We are looking for ways to increase use of our repeaters. We are investigating adding Internet, either Echolink or IRLP to our repeaters. For those looking for conversation, Svend



usually is on the 2M repeater between 3:30 and 4:00 PM. Give him a shout.

As has occurred in the last couple of years, we are increasing our activity schedule. Our meeting schedule will remain the second Wednesday of every month with a holiday dinner in December. Our picnic will happen again this year. We have a number of operating events coming up. Bobby, KA4VBF is planning a rover effort in the January ARRL VHF contest January 30 - February 1. Come to the January meeting or contact him for details. Our old standby, Field Day, returns June 25-26. The California QSO Party is scheduled for October 1-2. We will also probably put in an appearance in the ARRL VHF contest on September 10-12, but we haven't worked out the details. Stay tuned as plans firm up for these events.

We are adding a "Five Minute Tech Talk" item to our regular meetings. We have a couple lined up already covering Summits on the Air and Software Defined Radio, but we need to have people step forward with additional topics.

Its going to be a fun year.

73 Bill AE6JV

## ***About the Meeting***

### **The Origins of Silicon Valley: Roots in Ham Radio By Paul Wesling, KM6LH**



Why did Silicon Valley come into being? The story goes back to local hams trying to break RCA's tube patents, the sinking of the Titanic, Naval ship communications requirements, World War I, Fred Terman and Stanford University, local invention of high-power tubes (gammatron, klystron), WW II and radar, William Shockley's mother living in Palo Alto, Hetch Hetchy water, and the SF Bay Area infrastructure that developed – these factors pretty much determined that the semiconductor and IC industries would be located in the Santa Clara Valley.

At this month's meeting, Paul Wesling, KM6LH, will give a presentation on "The Origins of Silicon Valley: Roots in Ham Radio". Paul Wesling, an IEEE/CPMT Society Distinguished Lecturer, will give an exciting and colorful history of device technology development and innovation that began in San Francisco and Palo Alto in 1910, moved down the Peninsula (seeking lower costs and better

housing), and ended up in the Santa Clara Valley during and following World War II. You'll meet some of the colorful characters -- Lee DeForest, "Doc" Herrold, Bill Eitel, Charles Litton, Fred Terman, David Packard, Bill Hewlett, Sigurd Varian and others -- who came to define worldwide electronics industries through their inventions and process development.

Meeting Location: Silicon Valley Chapter of the American Red Cross, 2731 N. First Street at Plumeria Drive (southwest corner) in San Jose. Visitors are welcome!

If you haven't been to the Red Cross, "talk-in" is usually available on the Association's repeaters. Best choice would be 2m/220.

Dinner: And for those who are hungry, several of us will be eating dinner at 6pm, just prior to the meeting, at The Habbit at 2000 El Camino Real at the corner of Scott Blvd in Santa Clara — a ten minute drive from the Red Cross building.

Map of restaurant: <https://goo.gl/maps/NipZ7c1jhUL2>

Menu: <https://www.habitburger.com/charburger/?MenuVersion=D&region=bay-area&regionDisplay=Bay Area>

Club Web Page: [www.wvara.org](http://www.wvara.org)

Hope to see you there!

Jim Peterson, K6EI

WVARA Net Check-Ins (W6PIY)					
Tuesday's at 8:30 PM					
Call Sign	Name	12/15/15	12/22/15	01/05/16	01/12/16
Total		8	12	16	8
AA6RB	Roy		X	X	
AB6XS	Kevin		X	X	
AE6JV	Bill	X		X	
K6BRF	Bert		X	X	X
K7RJV	Rex		X		X
KD6VOR	Marv	X			
KF6EMB	Svend	X		X	
KG6UOF	Kyle			X	
KI6SLX	Peri	X		X	
KJ6CQJ	Dean		X	X	X
KJ6GMO	Sue		X	X	X
KJ6ZZI	Michael				X
KK6VF	Kevin	NET	NET	NET	NET
KK6WRP	James	X			
KS6PD	Steve	X	X	X	
KX6B	Dick			X	X
W6IA	Mark	X	X	X	
W6IFN	Steve		X		
W6PK	Phil			X	
W7NFN	Jim		X		
W9KKN	Bill			X	
WB6KHP	Dave		X	X	X

## ***FARS/PAARA/WVARA Winter Banquet is on January 22***

WVARA will be co-hosting this year's winter banquet along with FARS and PAARA. All WVARA, FARS, and PAARA members are encouraged to sign up now for this special annual event. Dinner prices range from \$31-\$48 per person and **reservations are required**. Bring a spouse or a friend and of course bring a few dollars for the raffle. Further details on the banquet and raffle prizes can be found at: <http://www.fars.k6ya.org/events/banquet>

Hope to see you there!  
Jim Peterson, K6EI

## **Another Local Radio Club Activity**

Hello friends,

Some of you may be aware of the Bay-Net group, sometimes referred to as an "un-club," here in the Bay area. Bay-Net is an offshoot of the CACTUS INTERTIE group, the difference being that while CACTUS is an membership by invitation group, Bay-Net is open to all amateurs, does not have meetings or dues and is home to a number of evening nets for the Red Cross and other service groups.

Bay-Net has repeaters on VHF and UHF that pretty much blanket the Bay, as well as a Yaesu Fusion C4FM digital repeater that does a pretty fair job around the Bay. Some repeaters are in the south Bay and one is in the east Bay hills.

The Bay-Net group is sponsoring a special conference to be held on January 23rd in Sunnyvale. In addition to presentations on how the repeater works and how to control its functions, there will be talks on a variety of other topics including microwave, digital HF modes, APRS and Raspberry pi, software defined radio, contesting and weather satellites.

All are welcome to attend. More details are available on the Bay-Con web page: <http://baycon.us/>

Dave Schultheis, WB6KHP

## **Membership Renewal Reminder**

Don't forget to renew your WVARA membership. The fastest and easiest way to renew is with Paypal - go to <http://www.wvara.org/membership.html> and select a Pay Now button. After logging into Paypal, please open and fill in the box on the left titled "Name, Call Sign, Address, Phone, Email". Or bring a check or cash to the meeting. Checks can also be mailed to WVARA, P.O. Box 6544, San Jose, CA 95150-6544.

## **CQP 2015 results are in!**

<http://cqp.org/Results.html>

Mark Sayre W6IA

# **WVARA BOD Meeting, January 6, 2016**

Meeting Called to Order: 7:00 PM

Members Present:

President: Bill Frantz, AC6JV

Secretary: Jon Kelley, K6WV

Treasurer: Peri Frantz, KI6SLX

Director: Chuck Kamas, AD6CL

Director: Bobby Barnett, KA4VBF

Director: Svend Jensen, KF6EMB

Director: Kevin Smith, KK6VF

Director: Dave Schultheis, WB6KHP

Het Editor: Phil Verinsky, W6PK

## **Business:**

### **Repeaters**

Report on the health of our repeaters. The 6 meter repeater is down. We are waiting for parts to repair the 6 meter duplexer. The 440 repeater has low power (2-3W). Chuck is planning on trying to repair it himself. If not, we will have to send it out for repair which could cost quite a bit more. Chuck is planning on installing a temporary backup.

Discussion about whether we are looking to evolve our repeater usage. One topic was getting internet connection which could lead to remote access to the repeaters for support, possible implementation of echo-link, and any other internet-dependent features. Agreement was that the first step was contact with the site host to see about getting internet access. Kevin & Bobby will take the next steps.

### **Club Activities for 2016**

Discussion about planned activities for the year.

Existing activities we will plan to continue for 2016: Field Day, CQP, VHF Contest, Flea Market, Summer Picnic, and Holiday Party.

Possible New activities may include – Co-sponsorship of the Tri-Club Annual Banquet (formerly FARS/PAARA banquet), a Second VHF contest, and, activation of a National Park (ARRL National Parks on the Air event).

Additionally, there was discussion about renewing our efforts to do short “tech talks” at meetings to increase interest and get more members involved.

### **Website**

Discussion about updating the website to provide more resources for members such as placing the By-Laws online. Also, an update to improve outreach for new members and visitors – especially directions to the meeting room. It was noted that other items might be useful to include in a members archive section of the website. Phil will relay to Larry Goodwin, our webmaster.

### **Treasurer**

Peri reported that everything has been done to transfer banking authority to her. May still need to redirect email to her; Phil will attend that.

Peri presented the latest budget proposal for 2016. Motion made and passed to approve the budget proposal and present to the membership at the January general meeting.

There was discussion on getting members to pay their dues. The issues are members failing to re-new and failing to renew on time.

Meeting Adjourned: 9:25 PM

## **ARLB002 Amateur Radio Parity Act HR 1301 to Get House Subcommittee Airing**

SB QST @ ARL \$ARLB002

ARLB002 Amateur Radio Parity Act HR 1301 to Get House Subcommittee Airing

ZCZC AG02

QST de W1AW

ARRL Bulletin 2 ARLB002

From ARRL Headquarters

Newington CT January 12, 2016

To all radio amateurs

SB QST ARL ARLB002

ARLB002 Amateur Radio Parity Act HR 1301 to Get House Subcommittee Airing

HR 1301, the US House version of the Amateur Radio Parity Act, will be among four communications-related measures set for a legislative hearing on January 12 before the House Subcommittee on Communications and Technology. Chairing the panel is US Rep Greg Walden, W7EQI, an Oregon Republican.

“This New Year we resolve to continue working to protect America’s consumers and small businesses,” Walden is quoted in a Subcommittee news release. “These bills collectively seek to protect folks from the inappropriate applications of law and misuse of 21st century technology.”

Sponsored by US Rep Adam Kinzinger, an Illinois Republican, HR 1301 would direct the FCC to extend its rules relating to reasonable accommodation of Amateur Service communications to private land-use restrictions, such as deed covenants, conditions, and restrictions. The bill has attracted 116 cosponsors from both sides of the aisle.

While no one from the ARRL is scheduled to testify in support of the measure, ARRL Hudson Division Director Mike Lisenco, N2YBB, and ARRL General Counsel Chris Imlay, W3KD, are expected to be on hand for the session. The League directly contacted ARRL members in the districts represented on the subcommittee, asking them to contact their members of Congress and urge their support of the bill.

The US Senate version of the Amateur Radio Parity Act, S. 1685,

cleared the Senate Committee on Commerce, Science, and Transportation last November. It has 3 cosponsors.

There is more information about the bills on the ARRL Amateur Radio Parity Act web page, located at,  
<http://www.arrl.org/amateur-radio-parity-act> .

NNNN

/EX

Forwarded by John Glass, NU6P

## **2016 West Valley Amateur Radio Association Board**

President: Bill Frantz, AE6JV

Vice President: Jim Peterson, K6EI

Secretary: Jon Kelley, K6WV

Treasurer: Peri Frantz, KI6SLX

Directors:

Chuck Kamas, AD6CL

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John Glass, NU6P

Dave Schultheis, WB6KHP

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Jim Peterson, K6EI

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Phil Verinsky, W6PK

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